



## HIGHLIGHT

### World's first ultra-realistic robot artist kept in prison for 10 days.



Welcome to the fourth issue of Artificial Intelligence and Data Analytics User Group (AIDA) Forecaster! Designed for AIDA User Group members, AI and Data Analytics enthusiasts, this publication contains timely and relevant information to the AI and Analytics community.

## Editorial

What happened? Since Forecaster Number #3 it seems that only one week has passed. After two years of not traveling I went crazy and visited six cities on two different continents in 7 days :-|

My flight itinerary: BCN - MUC - Chicago - Seattle - SFO - SLC - Chicago - MUC - BCN. In seven days.

Unfortunately I travelled just before Thanksgiving and AIDAUG president, JGP and I could not match our schedules. So we postponed an in person meeting to All-Things-Open 2022. Looking forward to this one.

The most important thing about this trip was getting back to meeting people face to face. I am certain that human connection can never be replaced by machines.

Parents need only 200 data points to predict the behaviour of their children. Just imagine how many data points tech giants have gathered about each of us in the past years.

How about predicting where AI is going in 2022?

How about predicting sales for your newly launched product depending on the weather forecast for the next three quarters? How many data points would you need to provide a reliable forecasting?

Review 2021: It's X-mas time. Time to step back and review what has happened and what will come.

The AIDA newsletter has received extraordinary feedback. In this issue we are using a new layout and hope that you like it. Still, the content is more important than the layout.

So, call for feedback!! Let us know your thoughts.

**Ralf Roerber**

AIDA Forecaster Editor  
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## Data Analytics Corner

### Predictive Analytics jobs to grow +28% through 2026.

Predictive Analytics has been around for years. IBM ventures invested last month in SingleStore to bring you even faster AI and analytics.

In the 1980's databases started to give users insights. Selfservice business intelligence followed. It is all about the mathematical understanding to evaluate the bias inside and relearn the results.

*"The U.S. Bureau of Labor Statistics sees strong growth for data science job skills. In its prediction the data science field will grow about 28% through 2026."* (Source: [Forbes](#))

Although tools are getting better, like IBM enhancing the Analytics platform with Watson AI, data scientists will always need to understand the basics of the underlying architecture, data modeling and statistics in general.

With IBM ventures investing heavily in SingleStore (previous MemSQL) the last month, underlines the strategical importance of faster and better data analysis as well as data meshing. [Read more](#).

### Collection of News on Data Analytics

**There are so many interesting topics, that I decided to shorten the message to the headline and by doing so, giving you, our reader, the chance to have an overview and to decide when reading further.**

Grafana Labs raises \$220M at \$3B valuation. [More](#)

Palantir for IBM CloudPak for Data accelerates predictive data analytics. [More](#)

Hyperautomation is replacing RPA on Gartner's Trend List for 2022. [More](#)

Open Source curated list of Big Data Tools. [More](#)

Open Source curated list about Data Science. [More](#)

How open-source is jumpstarting innovation. [More](#)

Data Analytics search-trend still rising on google. [More](#)

## AI Corner

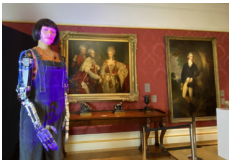
### HIGHLIGHT

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**How can a robot be an artist? How does technology obscure? These are just two of the questions "Ai-Da" tries to answer in [TEDx presentation at Oxford](#).**

Ai-Da is a robot painting self-portraits, writing and performing poetry. She was invented by gallerist Aidan Meller, in collaboration with Engineered Arts, AI researchers at the University of Oxford and engineers based in Leeds.

One of the [first public presentations](#) dates back to June 2019 where the audience interacted with Ai-Da covering the robot's body with used fabrics. The clothes are remnants of people's lives across a diverse population around the globe. The work is an homage to Yoko Ono's seminal work, 'Cut Piece', 1964.



Today, over half a century later, our use of new technologies is rapidly changing our world. How do we relate to robotics and the new developments?

AI-Da is embedding a groundbreaking algorithm. The scientific and art world is receiving her with intense conversations. She has been featured at Tate Exchange, Wired, Ars Electronica and went to the Louvre in Abu-Dhabi.

In October this year, AI-Da was held in prison for 10 days by the Egypt border guards, fearing that her robotics may have been hiding covert spy tools.

It is exactly this confrontation with real-life actors that make the discussion about robotics, AI and art so vital.

*"AI-Da is a mirror reflecting back onto us our outdated perception of physical form, and beyond this, pushes us to reconsider whether humanity is exclusive to homo sapiens. People are reacting strongly to her autonomous actions in the human domain and as a servant or service. Her existence is pushing the discussion of what constitutes art, ethics, humans, and machines."* we read on AI-Da's page discussing "what it means to identify as a creative without a consciousness". Have a look at AI-Da's homepage.

## Time to wonder: Is Germxn a sexist language? And how will AI deal with it?

Last week, [this twitter message](#), asking about "Germxn being a sexist language" caught my interest.

Searching for details, leads me to a two year old [reddit post](#). 29 users commenting on the post revealing it to be a meme. Let's see how AI answers the question: "Is german a sexist language?" Openai: *"for example: Karrierefrau, Karriereemann, Mathematiker, Mathematikerin etc. (and many more) and the fact that there are no german words for disabled, gay, trans."*

This example hopefully serves us, to invest further in own thinking and better AI. Did you notice the typo in the screenshot? \*Brign:

## AI news around the world

AI, AI, AI, Machine Learning, Deep learning ... just Buzz-Words? We are talking on interesting news, that are more than marketing-buzz.

- IBM most valuable assets "Cloud & Cognitive" will be worth \$24 billion by 2024. ([Forbes](#))
- Time to **hit the stop button on the dystopian view** of AI: Read on Wired how IBM Watson and AI X-Prize is giving a total of \$5 million to teams proving "AI for Good". ([Wired](#))
- **How IBM is preparing for a new era of A.I. ethics ...** "Technology is not ethical or unethical, it's the whole ecosystem around it," she says, referring to the ethics guiding its multiple stakeholders, from researchers and developers to economists, policymakers, and consumers.

Rossi says that IBM's researchers built their algorithms guided by these properties of trust, and worked with a diverse array of clients and partners around the world. ([Fortune.com](#))

Why is Germxn a sexist language?  
Germxn assigns genders to objects e.g. a mxle pencilcase. It also has the word "man" in its name.

die	die	die	die
der	die	die	die
der	der	der	der
der	der	der	der

Assigning genders to objects is sexist and transphobic!  
We must brign an end to this hateful language!

## PyTorch Live released 1st of Dec. 2021

During PyTorch Developer days on 1st and 2nd of this month, Meta (aka Facebook) announced PyTorch Live, which offers a set of tools to make the creation of AI applications for mobile easier.

With PyTorch Live ML demos can be created in minutes.

PyTorch Version 1.10 was released lately - with over 3,400 commits by 426 contributors since Release 1.9.

The searchterm trends for PyTorch compared to TensorFlow (Google) are going side by side.

Training Neural Networks for Deep Learning is very CPU and GPU intensive. What would suit this use case better than a setup on IBM cloud?

Would you like to play around with PyTorch and Keras on IBM Cloud?

Then read into the blog post from Animesh Singh, Scott Boag, Tommy Li, Waldemar Hummer on ["Deploy and use a multi-framework deep learning platform on Kubernetes"](#).

**HIGHLIGHT #2****What's coming in AI in 2022? Panel discussion with the AI inventor of the year, Seth Dobrin.**

**AIDAUG President, Jean-Georges Perrin, moderated a panel discussion with the AI-iconic person of the year 2021, Seth Dobrin together with Shadi Shahin and Christophe Bisson.**

The discussion took place in person in Raleigh and was recorded. The panel had no idea about the questions. So many awesome learnings in this talk!!! A must see!!!

We are happy to present to Forecaster Newsletter readers only [the link to the recording](#). The video is not public yet!!!



## Conferences

### - January 18th, 2022 "Hybrid Cloud Congress", Hybrid

Learn how establishing a strategic hybrid cloud can align IT resources with business and application needs to accelerate optimal business outcomes and achieve excellence in the cloud.

10am EST | 3pm GMT - [See details and register for free](#)



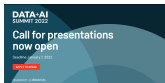
### - International Conference on Artificial Intelligence and Applications, 2nd May 2022, New York

ICAI is a prestigious event organized with the motivation to provide an excellent international platform for the academicians, researchers, engineers, industrial participants and budding students around the world to SHARE their research findings with the global experts. [More Details](#)



### - Data+AI Summit, June 27-30, 2022, San Francisco

The success of Apache Spark has accelerated the evolution of data teams to include data analytics, science, engineering, and AI. The summit brings together thousands of data teams to learn from experienced industry professionals about the convergence of data and AI. [See more Details](#)



## Resources

AIDAUG on Slack - [members-only slack](#)

Homepage of [AIDAUG.org](#) - sign up as a member, it is free.

RFE (Request for Enhancement) is the place where you [let IBM know your ideas](#)

## Discounts for AIDA members

**Exclusive offerings that are only available to AIDAUG members.**

Want to read a good book over X-Mas vacation? Are you thinking about renovating your computer equipment? See these exciting discounts we got for you.

### Manning Publications

... is offering 50% off everything in [their store](#) to AIDAUG members. This discount is valid for e-books, live projects, paper books...

It's a fantastic discount that they have never done before. This offer is (for now) only valid until December 31th, 2021.

Use code `perrin50` to get the discount at check out.

If you do not know where to start in their catalog, start [here](#).

### Kubuntu Focus

X-mas is here. Still looking for a cool present? ... KFOCUS has built ready-to-go fully operational Linux laptops optimized for data science and AI.

AIDAUG members get \$50 off their XE and M2 models AND a special promo on M2 Gen2 with \$100 off. Buy one (or more), send a note to Candace at [cgillhoolley@kfocus.org](mailto:cgillhoolley@kfocus.org), and she will reimburse \$50/laptop.

<https://kfocus.org/>

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## Closing & Credits

Thanks for reading - make sure to sign up to the AIDAUG.org website to receive discounts on various events. We will present the discounted events here in this newsletter.

By joining AIDAUG.org, you will also receive access to the members-only slack. In this channel you will be able to directly talk to other members as well as to the board members of AIDA UG. This is an exclusive way to be heard in the community or bring your voice directly in front of the right people at IBM.

This newsletter has been carefully crafted in Barcelona for AIDAUG members. Let the editor know your thoughts. You can reach out to him via email at [ralf@aidaug.org](mailto:ralf@aidaug.org)

Forecaster #4 is the last issue for 2021. We wish all AIDAUG members and AI enthusiasts a peaceful Christmas time.

See you happy and healthy in 2022.